

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A device for the in-situ disposal of sanitary waste, in particular of incontinence articles, made of a nonwoven fabric, of an absorbent cellulose layer, ~~eventually~~ with a gel embedded into the cellulose layer or with absorbent granulates, of a an one-sided outer shell of synthetic material and of hook and loop fasteners/adhesive strips ~~Velcro/adhesive strips~~, rubber straps ~~or the like~~ as closing and retaining means, whereby the sanitary waste is mechanically comminuted and at least partially dissolved in a wash liquid, the liquid thus obtained is separated from the remaining rest of the comminuted ~~comminuted~~ sanitary waste, the liquid is supplied to a discharge duct and the remaining rest of the comminuted sanitary waste is dewatered as well as separately disposed of, wherein the device (10) consists of a housing (11) in which a fixed drum-type container (20) is provided with a horizontal central axis (MA) and with a filling opening (25) for the sanitary waste as well as with an inlet pipe (28) for dosed wash liquid (WF), an inlet pipe

(29) for a dosed sanitary liquid (HF) for preventing odors and for disinfection and an inlet pipe (129) for dosed chemicals (CH) in powdered or liquid state for conditioning the superabsorbers ~~such as solid products made of plastics or superabsorbent polymer products or gel bodies in the sanitary waste and in particular in the sanitary napkins contained in the sanitary waste,~~ whereby a discharge device (165) ~~(50)~~ which is integrated into the container body (20) is provided in the bottom area of the container (20), ~~preferably a discharge duct (65) configured as a slide with an inclination in direction of the discharge for the~~ carrying-off of the comminuted sanitary waste interspersed with wash liquid out of the bottom area of the container (20), in an ~~the~~ inner space (27) of the container, ~~which~~ a vertical knife disk (30) which can be driven into rotation is placed in an ~~the~~ area of one of the ~~its both~~ side walls (21; 22) of the container, the knife disk having ~~with~~ tearing knives (31) turned to the inner space (27) of the container (20) for tearing and disintegrating the sanitary waste, and a compressor screw (60) following the discharge device (165) ~~duct (65)~~ and placed in an approximately tubular housing (61) ~~with a different gradient and a different web thickness,~~ whereby the discharge device (165) ~~duct (65)~~ is guided into the bottom-sided area of the compressor screw (60), the discharge device (165) is placed in the bottom

area of the container (20) and is integrated in the container body and arranged in the longitudinal direction of the container (20), the discharge device (165) being configured as a discharge duct (65) with an incline in a discharge direction for the comminuted waste, which discharge duct is followed by the housing (61) containing the compressor screw (60) which forms a functional unit with a shear sieve sheet (70) placed in the inner space (62) of the housing (61) of the compressor screw (60) and extending in the longitudinal direction of the compressor screw for separating the comminuted sanitary waste containing solid components from the wash liquid (WF) with the constituents of the sanitary waste dissolved therein in such a manner that the compressor screw (60) and the shear sieve sheet (70) cooperate in the manner of scissors, wherein the shear sieve sheet (70) consists of a curved plate-shaped sieve body (70') with a partially circular arch, the radius of which corresponds to the outer radius of the compressor screw (60) in order to avoid a plugging of the shear sieve sheet (70), wherein a compressor nozzle (100) with an upwards tapered section (100a) for separating the residual liquid is configured in the upper area (61b) of the housing (61) with the compressor screw (60), the nozzle being connected to a further discharge duct (85) by a connecting line with a discharge pipe (80) for the liquid from

the housing (61), whereby the wash liquid (WF) with the constituents of the sanitary waste which are dissolved therein is fed to the further a discharge duct (85) over the a discharge pipe (80) by means of a pump (81) and whereby the rest of the comminuted sanitary waste freed from liquid and containing solid constituents is fed with the compressor screw (60) to a collecting receiver (95) in the upper area (61b) of the housing (61) ~~with the compressor screw (60) to a collecting receiver (95),~~ are placed, whereby the control of the admission for the wash liquid (WF) and the dosing pumps (28', 29', 129') for the sanitary liquid and for the chemical, the control for the driving device (35) for the knife disk (30) and the driving device (66) for the compressor screw (60) and the pumps are combined in a program switching device ~~or are carried out by means of a free programmable device.~~

2. (Currently amended) A device according to claim 1, wherein ~~cold wash liquid is supplied to~~ the inner space (27) of the container (20) is connected to a cold water supply by the ~~wash liquid admission (28).~~

3-4. (Canceled)

5. (Previously presented) A device according to claim 1, wherein the drum-type container (20) consists of an upper cylindrical container body (20a) which turns on the bottom side into a tapering section (20b) which forms the discharge duct (65).

6. (Previously presented) A device according to claim 1, wherein the shear sieve sheet (70) is configured as insert body which can be placed in the housing (61) with the compressor screw (60), whereby the curved sieve surface (70a) is placed lying without any distance to the rotation surface of the compressor screw (60).

7. (Previously presented) A device according to claim 1, wherein a certain number of shearing knives (31) placed distributed over the disk surface is provided on the wall surface of the knife disk (30) which is turned to the inner space (27) of the container (20).

8. (Previously presented) A device according to claim 1, wherein the length of the container (20) corresponds approximately to the diameter of the front walls (21, 21) of the cylindrical container body (20a) of the container (20), whereby

the diameter of the knife disk (30) corresponds approximately to the diameter of the front walls (21, 22) in the area above the discharge duct (65) of the container (20).

9. (Currently amended) A device according to claim 1, wherein the drum-type container (20) is placed fixed in the frame (12) of the housing (II) of the device (10) so as to be non-rotatable, ~~thus not rotating~~.

10. (Currently amended) A device according to claim 9, wherein the container (20) is resiliently supported ~~positioned resilient~~ in the frame (12) of the housing (11).

11. (Previously presented) A device according to claim 1, wherein the container side wall (23) turns on the bottom side into a conically tapering section which runs into the discharge duct (65).

12. (Currently amended) A device according to claim 1, wherein each shearing knife (31) has an optimized knife ground surface ~~grinding~~ for an effective comminution of the sanitary waste and is made of an approximately rectangular fixing plate (150) and of a plate-shaped and approximately triangular knife

body (155) placed standing perpendicularly on the fixing plate (150) and diagonally to the fixing plate ~~this~~, the one side wall surface (156) of the knife body (155) is curved as an arch to the inside while the other side wall surface (157) is plane and has two side sections (158, 159) which are U-bent to the side wall surface (157) as well as an U-bent upper section surface (160) which is situated in the upper tip area of the knife body (155) which turns into a tapering cutting surface (162) by configuring a cutting edge (161) with a knife-type reduced tearing edge (162), whereby the other side edge which extends from the tip area of the knife body (155) to the lateral section surface (158) is configured as cutting edge and cutting surface (163), whereby the reduced tearing edge (162) is configured as a two-sided start ground taper.

13. (Previously presented) A device according to claim 1, wherein the container (20) is provided with an automatically refilling drain trap (50) for aeration.

14-15. (Canceled)